# The Wobbly Oscillator


## Cuyahoga Amateur Radio Association

## January 2026 Volume 56 Number 1


*Hams Who Serve*

**Meeting January 13th**

**Busch Funeral Home Community Room**

**NOTE: New Meeting Time 7:00 PM**

# From the Prez

# Toby, WT8O

## Holiday Party

The annual CARS holiday party was very festive and well attended. The new venue at The 3 Spot turned out to be a good location with excellent food and fantastic service. Special thanks to Al, KF8BCC, for selecting the restaurant and making the arrangements; and to Mark, WJ8WM, for procuring the prizes and gifts.

Following the long CARS tradition of recognition, we awarded the coveted "Ham Of The Year" plaque to a very deserving Mark Rosewicz, KC8ESG. The other plaque went to Kyle Magilavy, KF8DXR, for "Rookie of the Year." The net controllers David, KD8ACO; Scott, AC8NW; Mark, KC8ESG; David, AC8TN; Al, KF8BCC, and Toby, WT8O received spiffy insulated coffee cups for their dedication. Scott, AC8TN; Joe, KD8BAL; Bob KC8MRC, and Toby, WT8O, were presented awards for participating in all 52 nets during the year.

The smiles on the faces and positive comments from those who attended signified another successful event.

## New Meeting and Net Times

We changed the monthly meeting and weekly net start times ***effective January 1st.*** The ***meetings will begin at 7:00 PM*** and the ***nets will start at 8:00 PM***. Everything else remains the same. The meetings will still be at the Busch Funeral Home Community Room in Parma; with the June, July, and August picnic meetings at the Harriet Keeler Pavilion in the Brecksville Reservation of the Metroparks. The nets will be on Wednesdays, as always.

The changes in starting times came about after discussions at the meetings and an almost unanimous vote by the members present. Hopefully, these new times will make it more convenient to additional members resulting in greater participation.

## Committees

With the new year and my presidency nearing an end, it's time to evaluate our committees. Some committee members are not quite as active as they once were and deserve a well-earned break. We are also fortunate to have many new, enthusiastic members who would be great additions to our leadership teams.

Over the next few weeks, I will be contacting the current committee members and discussing their wishes. I am also inviting anyone interested in helping the club and wanting to become more involved with our direction and activities to volunteer.

## Licensing Classes

With the calendar flipping to 2026, it's time to get ready for our annual amateur radio licensing classes. We usually begin the classes in late February, offering separate classes for Technician, General, and Amateur Extra. Our classes have brought many people with an interest in ham radio into the hobby as FCC licensed Technicians, and helped others advance to Generals and Extra. We also award graduates of our Technician class a complimentary one year membership in CARS that many of our present members have received.

Details for the 2026 licensing classes will be announced in next month's *WO*, the CARS website, at the February meeting, and on the weekly nets. Please consider signing up if you wish to upgrade your license class or recommend our Technician class to anyone you know that may be interested in becoming an Amateur Radio Operator.

# January

# Net Sked

NOTE NEW START TIME

| | | |
|---|---|---|
| Jan | 7 | AC8NW |
| Jan | 14 | KC8ESG |
| Jan | 21 | AC8TN |
| Jan | 28 | KF8BCC |

**Nets are run every Wednesday at 8:00 PM on:**

**146.820 (PL 110.9)**

**443.825(+) PL Tone 131.8**
**Digital Yaesu Fusion / C4FM**
**Linked to the 146.82 Repeater**

**EchoLink Node 343470 (K8ZFR-R)**

**Allstar Node 47067**

**WIRES X Node 91242-Room 01242**

NOTE: Practice nets are conducted weekly on the CARS repeater. All hams are welcome to participate in the net.
The weekly nets are a good opportunity to hone your skills and meet other hams.
Net control will open the net and ask for "check-ins." You can give your callsign, name, and location and simply listen to the rest of the net, or you can join the conversation.

As you become more comfortable, you may want to try acthing as net control.

# November Meeting Minutes

LOCATION - The meeting was held on November 11th at the Busch Funeral Home, located on Ridge Road in Parma, Ohio.

CALLED TO ORDER - President Toby Kolman, WT8O, called the meeting to order at 7:30 PM.

PLEDGE OF ALLEGIANCE - Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS - Those present introduced themselves. The meeting had 21 attendees, including two guests.

MEETING MINUTES - The October minutes, as published in the November issue of the *Wobbly Oscillator* (*WO*), were approved.

TREASURER'S REPORT - Matt Perlman, KE8OZU, gave an update on the club's finances. No issues were reported. Matt also thanked Kyle KF8DXR for his help with the website.

PRESIDENT'S REPORT - Toby Kolman, WT8O, reported the following:

- Welcome guests
- Parking at Busch
- Vote on new members - Dave Paoletta, KE8DWJ; Terri Schwab, KF8EZS; and Dudley Chapman, WA1X. The membership voted all in.
- Amateur Radio Emergency Preparedness Act - Be sure to go online (https://send-a-letter.org/hoa/) to send a letter to your representative showing your support for this act.
- November Sweeps Phone contest is this weekend.

SECRETARY REPORT - Matt Neely, NU8H, reminded folks to sign in on the sign-in sheet.

PUBLIC SERVICE - Arp, K8ARP, shared activities have wrapped up for the year. Stay tuned for information on public service opportunities in 2026.

VE UPDATE: Metro, W8MET, shared that there was a VE session this Sunday. One person showed up and earned their Technician class license. Discussed the need for a sign so people can easily find the testing building.

PROGRAM COMMITTEE - Joe, KD8BAL, reported that:

- This month's presentation is by Bruce Brean, KF8AE, on Gateway: Humanity's First Space Station to Orbit the Moon.
- The session at the January meeting will be a mentoring session on tuners and coax, presented by David, AC8TN, and Metro, W8MET.

TECH COMMITTEE - Scott, AC8NW, didn't have any updates to share.

OLD BUSINESS - Toby, WT8O, led a discussion on the following:

- Members discussed changing the meeting start time to 7:00 PM and starting nets at 8:00 PM. Members voted on both changes, and both motions passed.
- CARS Clothing
- Used equipment for sale - Look for an updated list in the next *WO.*

NEW BUSINESS - Toby, WT8O, led a discussion on the following:

- Elections: Current Officers (WT8O, president; NU8Y, VP; KE8OZU, Treasurer; NU8H, Secretary) and even-year Board members (AC8NW, WJ8WM and KD8BAL) were all nominated.
- No additional nominations were given at the meeting
- Members voted, and all nominees were elected.
- Holiday Party - Friday, December 12th, 6:00 PM - The 3 Spot, North Royalton. Contact Al Farley, KF8BCC, to RSVP

REFRESHMENT - Thank you to Andy, KD8SCV; Mark Rosewicz, KC8ESG; Yuri, W4YSW

NEXT MEETING - The Cuyahoga Amateur Radio Society's next meeting will be held on January 13th at the Busch Funeral Home, located on Ridge Road in Parma, Ohio.

ADJOURNMENT - Toby, WT8O, adjourned the meeting. 50/50 Drawing - Ester, KF8DXQ, won the 50/50 drawing.

## Board Meeting

MEETING - Third Board Meeting of 2025

LOCATION - The meeting was held on November 20th, 2025, at the Clubhouse Restaurant, Pearl Rd., Parma Hts., Ohio

ATTENDEES - Toby Kolman, WT8O; Matt Neely, NU8H; Mark Moro, WJ8WM; Scott Smith, AC8NW; Al Farley, KF8BCC; Mark Rosewicz, KC8ESG; John Dernar, NU8Y; Joe Ulaszewski KD8BAL.

CALLED TO ORDER - Board Chair Mark, WJ8WM, called the meeting to order at 7:45 PM.

OLD BUSINESS - Mark, WJ8WM, led a discussion on the following:

Toby, WT8O, discussed how to handle hardship memberships and members who do not renew, and whether we should extend their memberships for one year. After some discussion, the board agreed to continue providing hardship memberships to members in need and to continue carrying folks who do not renew their memberships for an additional year.

Mark, WJ8WM, discussed adding pictures to the roster so people can put a face to a callsign. The board discussed and agreed to discuss this more with the membership at the January meeting.

NEW BUSINESS - Mark, WJ8WM, led a discussion on the following:

The board welcomed Joe Ulazewski, KD8BAL, as a new board member.

The next board meeting will be on January 15th. The remaining meeting for 2026 will be scheduled during this meeting.

The board agreed to do the Dayton Hamvention Bus again this year. A task was assigned to Eddie, KD8FTS, to reserve the bus.

Mark, KC8SEG, proposed giving every member who attends the Christmas Party a drink ticket for one complimentary alcoholic beverage. Al, KF8BCC, agreed to call The 3 Spot to get the cost for the club to do this.

ADJOURNMENT - Mark WJ8WM, WT8O, adjourned the meeting at 8:10 PM.

Submitted by Matt Neely, NU8H, CARS Secretary

## Dues Notice
### Matt, KE8OZV

Your 2026 CARS dues are payable on or before January 31, 2026.
If you have already paid THANK YOU.

Dues can be paid in two ways:

- You can mail a check to:
  CARS
  PO Box 31264
  Independence, OH 44131-0264
- Pay in person at any CARS meeting.

Dues are $26.00 per year for regular membership. Each additional family member is $16.00.
If you are 60 yrs. or older, your dues are only $18.00 per year.

CARS will offer assistance to anyone having a hardship.

Please let me know if you have a hardship or know a member who needs help.

# Tom Wayne, WB8N/SK

## Toby WT8O

When I joined CARS soon after getting my Technician license, Tom recently finished his last term as president. He was the editor of the *Wobbly Oscillator*, a member of the VE team, a CW station leader on Field Day, a net controller, and most commendable of all, the organizer of the communications group for the Cleveland Diabetes Association fund raising events. Back then, CARS was the single group handling support for two Diabetes Association events each year; a Bikeathon in the spring and a Walkathon in the fall. He did a marvelous job with both. His heart was certainly in it – losing his XYL to the terrible disease.

Tom was a tough hombre. He was veteran of the United States Navy serving as a radioman. He retired as a Lieutenant from the Bedford Fire Department with 25 years of service. I've always considered firefighters to be among the most courageous people on earth. Yeah, a tough hombre with a soft and kind heart. Tom sure lived up to his nickname – "The Duke."

Tom's love and knowledge of music was well established. He loved all types, but heavily favored country and western. He always exhibited his marvelous singing voice to the gathering at the Christmas parties treating us soulfully with a couple of numbers.

What I liked most about Tom was his straightforward personality. He was opinionated, for sure, but at the same time open minded. That is a rare quality, a quality only great people possess. There were a couple of subjects we disagreed on. They were important to both of us. On one we stood by our views. On the second, after I made my points, Tom changed his position and agreed with me. The topics themselves need not be mentioned here, only the fact that as stubborn as he was, Tom could change his stance if he saw the matter from a different point of view. I remember once I arrived at an event on my motorcycle wearing a full face helmet. Tom remarked, "You looked like a young guy 'til you took your helmet off." My lack of hair and weathered face supported his comment giving us both a chuckle. When Tom spoke, he always said what he felt.

Tom could certainly be called a ham's ham. His beam antenna on a tower at his QTH in Bedford got plenty of use. He constantly monitored the CARS repeater making sure all was well. Tom religiously attended the Dayton Hamvention for all three days, making hotel reservations for the next year upon checking out. At hamfests he donned a call sign hat, his "Fest vest" adorned with countless amateur radio related pins and buttons, and in cold weather, a CARS coat or jacket. Tom was proud of CARS, and we were proud of him.

Tom Wayne, WB8N/SK, will never be replaced. In one respect that is a good thing; as a CARS Honorary Member, we will always remember him as unique – standing tall and hanging tough.

Godspeed Old Man, 73

# Next CARS Meeting

## Tuesday, January 13th - 7:00 PM

### Busch Community Room 7501 Ridge Rd. - Parma

### Tuners and Coax

### David, AC8TN, and Metro, W8MET

This presentation is part of the mentoring program developed by CARS to provide information for new hams setting up their station and getting started in the hobby and for experienced hams to update their skills and to share their knowledge and experience with others. Anyone whishing to share ideas for future topics is encouraged to contact the program chair directly. (See the CARS Meeting Minutes for information on current and planned programs.)

**See Website for Details - www.2cars.org**

# CARS Annual Christmas Party

**CARS Ham Of The Year**
**Mark Rosewicz, KC8ESG**

**Joe, KD8BAL—52 Net Check-ins**

**Scott, AC8TN—Net Controller**

AL, KF8BCC, donning his Christmas hat; entertains the group_

Mark, KC8FQV, Lights up the party_

Joe, KD8BAL & Family

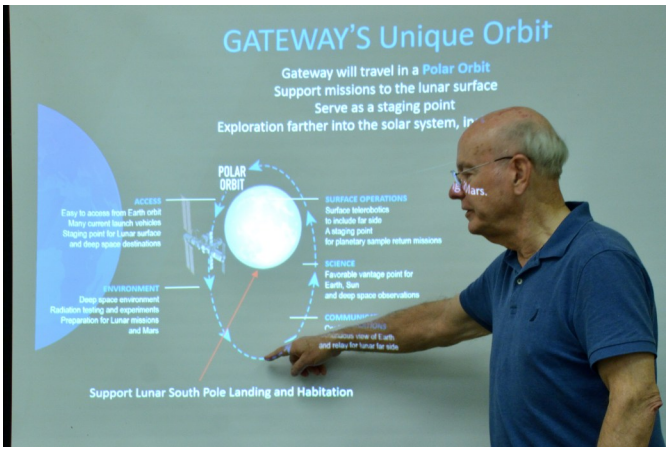
John, NU8Y - Bob, K8RGI - Dave, WD8IOU - Bill, KF8DGD - Chuck, K8CVM - Brad, KF8DXU

# To the Moon with Gateway

At the November meeting, CARS members and guests were treated to a discussion of some of NASA's plans for returning to the moon and the Cleveland area's role in making that plan a reality.

Bruce Brean, KF8AE opened his presentation Gateway: Humanity's First Space Station to Orbit the Moon by stating his comments were his own, not an official position of NASA. And, with that out of the way, he embarked on a journey through some of the communications aspects of the Gateway Project.

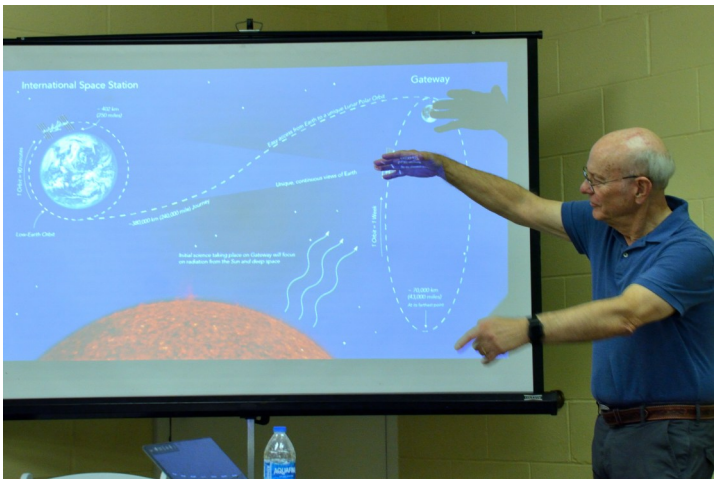
Of particular interest to the amateur radio community was Bruce's description of the polar orbit the space station would take once it was in position. Those who followed the US space program from its early days will recall the "communications blackout" the occurred whenever the spacecraft was on the far side of the moon in what might be termed an equatorial orbit. To maintain near-constant communications, the Gateway space station will




be placed in a polar orbit. In this way, it will always have a face towards the Earth.

Gateway is part of the larger Artemis program which will ultimately establish a human habitation on the surface of the Moon. There is particular interest in the "south pole" of the Moon where scientists believe there may be water. That is where the habitat will be established, so the unique orbit of the Gateway station will allow it to "hover" over the south pole. The orbit will take about 6 ½ days, with Gateway's orbit extending about 10 times the distance from the surface of the Moon on the southern portion of the orbit. This will allow it to serve as a critical communications link and rendezvous point for the surface operations.

The elliptical orbit will help maintain communications between the surface habitation and Earth, but it is also part of a complex solution to account for what scientists have nicknamed the Moon's "lumpy gravity." The mass of the Moon is not uniform, Brean pointed out. If the vehicle were to try to maintain an orbit close to the Moon's surface, it would need to make a number of corrections throughout its orbit. The orbit will help conserve the vehicle's thrust capacity by reducing the number or degree or corrections needed to maintain orbit.




Bruce Brean, KF8AE explains the Gateway Project, NASA Glenn's participation and the unique lunar orbit needed to maintain communications between Earth, Gateway, and the future lunar surface habitation.

The solar arrays employed on the Gateway project will differ from those on the International Space Station. They are a shape membrane and will roll out like a piece of paper vs. the fold-out ladder-like arrays used on the ISS.

NASA Glenn is involved in the Power Propulsion Element, which uses ion propulsion. Brean explained that ion propulsion only puts out a few pounds of thrust, but that is enough to take the spacecraft around the Earth multiple times, pick up speed very slowly, and get it out to the Moon. Ion engines are very efficient, and the spacecraft and satellites using them require very little thrust to maintain their proper orbit once they are in place. The lower thrust of the ion engines means it will take nearly a year for Gateway to reach the Moon. To accomplish the same journey using chemical propulsion would require refueling, so the efficiency of the ion propulsion allows for a much lower amount of mass.

Gateway has two sets of antennas – X band and Ka band. There are also S-band antennas, but they are controlled by the habitation module and visiting vehicle.

Reported by Perry, KB8AYQ

## Welcome New Members

**Dave Paoletta, KE8DWJ**

**Terri Schwab, KF8EZS**

**Dudley Chapman, WA1X**

CARS members are encouraged to invite other hams to participate in CARS meetings and events and to invite them to join CARS. Information on membership is located on the CARS website at: JOIN CARS

# January VE Session

The next VE testing session will be held **Sunday, January, 11th,** at 9:15 AM

Testing is at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

No matter what your license class is, or how much time you have available to volunteer, your service would be welcome in a number of ways this year! Just be sure to ask any CARS officer or active public service member in our scheduled Monthly Club meetings for current volunteer information.

## Honorary Members

**Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society**

**Robert Check, W8GC**
**Elected 2/10/15**

**Thomas Wayne, WB8N**
**Elected 1/10/17**

**Dwaine Modock, K8ME/SK**
**Elected 5/9/17**

**Toby Kolman, WT8O**
**Elected 10/10/17**

**Jerry Smith, NW9H**
**Elected 5/8/18**

**Ron Borkey, K8VJG/SK**
**Elected 5/14/19**

**Ed Stevens, WB8ROK/SK**
**Elected 8/10/21**

**Vince Bak, N8OVW/SK**
**Elected 11/14/23**

**Ron Holas, K8RJH, SK**
**Elected 7/8/25**

# Could This Be Your Last Upgrade?

The Icom IC-7300 radio was introduced in 2016 and has sold a record holding 100,000 units worldwide. It is a solid performing radio and is still an excellent choice for any amateur. It is currently selling for around $1000.

Icom has recently started shipping their new IC-7300MK2 radio with a street price of around $1500. This radio is an upgraded version of the original IC-7300 and it includes a lot of new features that the amateur community has been asking for.

We are truly fortunate that there are still manufacturers willing to design and build such fantastic quality radios and related products for an ever shrinking worldwide amateur radio community.

There are only 750,000 licensed amateurs operators in America and the average age is 75. If this was your business and your customer base, would you sink a fortune into developing and building a new radio? I doubt we are going to see many new design radios in the future.

The Chinese manufacturers might offer something new and spectacular. But will they offer decent customer support and warranty service?

So...if your original IC7300 is 5 or 10 years old and you have just loved the radio, then you should upgrade to the new MK2. Let your final radio also be one that you just loved.

At 75 years old, it might just be the last new radio you will ever need to buy.

John, NU8Y

*NOTE: Reviews are beginning to appear on the new Icom 7300 MK2. The principal difference that seems to excite most hams is the addition of the external display output for HDMI connection directly to an external monitor.*

**What's Different?**

| | IC-7300 | IC7300MK2 |
|---|---|---|
| RMDR | ~97dB | ~105 dB |
| Transmit Phase Noise | | ~12 dB |
| RX Standby Current | ~ 0.9 A | ~0.7 A |
| External Display Output | None | HDMI |
| CW Decoder | Not Included | Built in |
| RX Antenna Ports | Single Shared Port | Dedicated RX in/out |
| USB Connectivity | USB-B, Single COM + audio | USB-C dual COM + audio |
| LAN Port for Remote | Requires PC or server for RS-BA1 | Built-in LAN, no PC needed |
| Display & Form Factor | 4.3" color touch screen | Same, plus HDMI output |

(Quoted from a blog post/review by pileupdx.com)

IC7300 vs IC7300 MK2

# CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

AllStar Node 47067

EchoLink Node 343470 (K8ZFR-R)

WIRES X  Node 91242  Room 01242

**********

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

**********

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

# 2026 Officers

### President

Toby Kolman, WT8O

440-525-6109

wt8o@att.net

### Vice-President

John Dernar, NU8Y

440-237-8872

dern123@sbcglobal.net

### Secretary

Matt Neely, NU8H

216-965-4476

matt@matthewneely.com

### Alternate Secretary:

Al Farley, KF8BCC

afarley94@yahoo.com

### Treasurer

Matt Perlman, KE8OZU

216-337-1540

matt@seagem.me

# 2026 CARS Committees, Officers, Board and Trustees

## CARS 2025 Committees

### 50/50

Chair: Andy Evridge, KD8SCV

Member: Joe Ulazewski, KD8BAL

### ARRL Liaison

Chair: John Dernar, NU8Y

### Audio/Video

Chair: Scott Smith, AC8NW

### Audit

Chair: John Dernar, NU8Y

Members: Eddie Stevens, KD8FTS and Toby Kolman, WT8O

### Awards

Co-Chairs: Toby Kolman, WT8O and Mark Moro, WJ8WM

### Field Day

Co-Chairs: Chair: Toby Kolman, WT8O, Assistant Chair: Bob Robbins, K8RGI Members: David Korow, AC8TN; Andy Evridge, KD8SCV; Chuck Mehozonek, K8CVM, and Mark Moro, WJ8WM

### Hamvention Bus

Chair: Eddie Stevens, KD8FTS

### Historian

Chair: Toby Kolman, WT8O

### Holiday Party, Summer Picnic

Chair: Al Farley, KF8BCC

Member: Mark Moro, WJ8WM

### License Classes

Chair: David Noeth, KD8ACO

Members: Joel Chaney, K8SHB,; Toby Kolman, WT8O

### Media Representative

Chair: Andy Evridge, KD8SCV

### Membership

Chair: Toby Kolman, WT8O

Member: Matt Perlman, KE8OZU

### Net

Chair: Toby Kolman, WT8O

Members: Scott Smith, AC8NW, David Korow, AC8TN, David Noeth, KD8ACO, Mark Rose-wicz, KC8ESG; and Al Farley, KF8BCC

### Newsletter

Chair: Perry Trunick, KB8AYQ

Member: Yuri Sivitski, W4YSW

## Programs at Meetings

Chair: Joe Ulaszewski, KD8BAL

Members: Eddie Stevens, KD8FTS and Matt Perlman, KE8OZU

## Public Service

Chair: Eddie Stevens, KD8FTS

Members: Chuck Mehozonek, K8CVM, and Arp Viiberg, K8ARP

## QSL Manager

Chair: Metro Sinko, W8MET

## Quartermaster

Chair: Toby Kolman, WT8O

## Records Custodian

Chair: Terry Pillatt, KB8DTC

## Refreshments - Coffee

Chair: John Dernar, NU8Y

## Refreshments - Donuts

Chair: Matt Neely, NU8H

## Refreshments - Pop

Chair: Mark Rosewicz, KC8ESG

## Scholarship

Chair: Toby Kolman, WT8O

Members: Bob Robbins, K8RGI, Matt Perlman, KE8OZU, and Mark Moro, WJ8WM

## Sunshine (Welfare)

Chair: Andy Evridge, KD8SCV

## Technical

Chair: Scott Smith, AC8NW

Members: Mark Scoville, AD8KE, Terry Pillatt, KB8DTC, Mark Rosewicz, KC8ESG, David Noeth, KD8ACO and Mark Moro, WJ8WM

## VE Exams

Chair: Metro Sinko, W8MET

Members: George Pindroh, K8KR;
Fred Freer, K8IG: David Korow, AC8TN, Simpson Huston, N8UZF, Matt Neely, NU8H

## Webmaster/email

Chair: Matt Perlman, KE8OZU

# CARS 2026 Executive Board

## Board Chair

Mark Moro, WJ8WM

216-496-2871

Alternate: Mark Rosewicz, KC8ESG

## Even Year Board Members

Scott Smith, AC8NW, Joe Ulaszewski, KD8BAL and Mark Moro, WJ8WM

## Odd Year Board Members

Eddie Stevens, KD8FTS; Mark Rosewicz, KC8ESG, and Al Farley, KF8BCC

## CARS License Trustees

## K8ZFR Trustee

Toby Kolman, WT8O

## W8BM Trustee

Mark Moro, WJ8WM

## W8HBI Trustee

Matt Perlman, KE8OZU

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society. Articles from this publication may be reprinted in any ham radio publication, if credit is given to this publication and the author, if known.

All submissions should be emailed to: Perry A Trunick, KB8AYQ at perry@trunick.com